533 Rec'd P PTO 20 AUG 20010

(+) inside this box -

PTO/SB/21 (08-00) Approved for use through 10/31/02. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. 09/807,047 **Application Number** TRANSMITTAL April 6, 2001 **Filing Date FORM** Jerry Pelletier First Named Inventor To Be Assigned **Group Art Unit** To Be Assigned **Examiner Name** (to be used for all correspondence after initial filing) 7 PLUS 37 514012000100 Attorney Docket No. Total Number Of Pages In This Submission REFERENCES **ENCLOSURES** (check all that apply) After Allowance Communication to Assignment Papers Fee Transmittal Form (for an Application) Group Appeal Communication to Board of Drawing(s) Appeals and Interferences Fee Attached Appeal Communication to Group Licensing-related Papers (Appeal Notice, Brief, Reply Brief) Amendment / Reply Proprietary Information Petition After Final Petition to Convert to a Status Letter Affidavits/declarations Provisional Application Power of Attorney, Revocation Other Enclosure(s) (please identify below): Change of Correspondence Address Extension of Time Request Form PTO-1449 (3 pages) 37 References Terminal Disclaimer Return receipt postcard **Express Abandonment Request** Request for Refund Information Disclosure Statement CD, Number of CD(s) Certified Copy of Priority Document(s) Remarks Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY OR AGENT Gladys H. Monroy Morrison & Foerster, LLP 755 Page Mill Road, Palo Alto, CA 94304 Individual Name Signature Date

CERTIFICATE OF MAILING BY "FIRST CLASS MAIL"

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on August 16, 2001.

(enue Denise Lade

Burden Hours Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.



PATENT Docket No. 514012000100

CERTIFICATE OF MAILING BY "FIRST CLASS MAIL"

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on August 16, 2001.

Denise Lade

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Jerry PELLETIER and Manjula DAS

Serial No.:

09/807,047

Filing Date:

April 6, 2001

For:

OLIGONUCLEOTIDE PRIMERS THAT

DESTABILIZE NON-SPECIFIC DUPLEX FORMATION AND USES

THEREOF

Examiner: To be assigned

Group Art Unit: To be assigned

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97 AND § 1.98

Assistant Commissioner for Patents Washington, D.C. 20231

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of the documents are also submitted herewith. The Examiner is requested to make these documents of record.

This Information Disclosure Statement is submitted:

	With the application; accordingly, no fee or separate requirements are required.
\boxtimes	Within three months of the application filing date or before mailing of a first Office Action
	on the merits; accordingly, no fee or separate requirements are required.
	After receipt of a first Office Action on the merits but before mailing of a final Office
	Action or Notice of Allowance.
	A fee is required. A check in the amount of * is enclosed.
	A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached
	to this submission in duplicate.
	A Certification under 37 C.F.R. § 1.97(e) is provided below; accordingly; no fee
	is believed to be due.
	After mailing of a final Office Action or Notice of Allowance, but before payment of the
	issue fee. Accordingly, a Petition requesting consideration of the Information Disclosure
	Statement, an authorization to charge our deposit account, and a Certification under 37
	C.F.R. § 1.97(e) are provided herein.

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 is to the best of my knowledge and is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the Patent Office determines that an extension and/or other relief is required, Applicants petition for any required relief including extensions of time and authorize the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 514012000100. However, the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: August 16, 2001

Respectfully submitted,

Bv:

Gladys H. Monroy

Registration No. 32,430

Morrison & Foerster LLP 755 Page Mill Road

Palo Alto, California 94304-1018

Telephone: (650) 813-5711 Facsimile: (650) 494-0792

Form PTO-1449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

OP From several sheets if necessary)

Docket Number 514012000100	Application Number 09/807,047
Applicant	
Jerry PELLE	TIER and Manjula DAS
Filing Date April 6, 2001	Group Art Unit To be assigned
Mailing Date August 16, 2001	

AUG 2 0 2001 S

U.S. PATENT DOCUMENTS

_			0.0.111	TEIT BOOGIE			
Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
	1.	07/28/87	4,683,195	Mullis et al.			
	2.	07/28/87	4,683,202	Mullis			
	3.	01/24/89	4,800,159	Mullis et al.			
	4.	10/23/90	4,965,188	Mullis et al.			
	5.	08/01/95	5,438,131	Bergstrom et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO	
	6.	03/31/1994	WO 94/06810	WIPO				
	7.	05/22/1997	WO 97/18325	WIPO				_

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

		OTHER DOCUMENTS (including unito), time, 2 die, 7 ct in the 1887.
Examiner Initials	Ref. No.	Title
	8.	Brown, D.M. et al., (1991). "Syntheis and Duplex Stability of Oligonucleotides Containing Adenine-Guanine Analogues," <i>Carbohydrate Research</i> 216: 129-139.
	9.	Conner, B.J. et al., (1983). "Detection of Sickle Cell β ^s -Globin Allele by Hybridization with Synthetic Oligonucleotides," <i>Proc. Natl. Acad. Sci. USA</i> 80:278-282.
	10.	de Fatima Bonaldo, M. et al., (1996). "Normalization and Subtraction: Two Approaches to Facilitate Gene Discovery," <i>Genome Research</i> 6(9): 791-806.
	11.	Doktycz, M.J. et al., (1995). "Optical Melting of 128 Octamer DNA Duplexes," <i>Journal of Biological Chemistry</i> 270(15): 8439-8445.
	12.	Eritja, R. et al., (1986). "Synthesis and Properties of Oligonucleotides Containing 2'-deoxynebularine and 2'-deoxyxanthosine," <i>Nucleic Acids Research</i> 14(20): 8135-8153.
	13.	François, P. et al., (1990). "Flexible Aglycone Residues in Duplex DNA," Tetrahedron Letters 31(44): 6347-6350
	14.	Frohman, M.A. et al., (1988). "Rapid Production of Full-Length cDNAs from Rare Transcripts: Amplification Using a Single Gene-Specific Oligonucleotide Primer," u Proc. Natl. Acad. Sci. USA

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

orm PTO-1449		Docket Number 514012000100	Application Number 09/807,047	
	ON DISCLOSURE CITATION	Applicant		
5 TIN	ON DISCLOSURE CITATION AN APPLICATION	Jerry PELLETIER and Manjula DAS		
	e several sheets if necessary)	Filing Date April 6, 2001	Group Art Unit To be assigned	
SI		Mailing Date August 16, 2001		
TRADENANT				
	85: 8998-9002.	1 M. Dula Math	ad in DNA Hybridization:	
15.	Fukada, T. et al., (1986). "An Alternat Synthetic "lure" Nucleotide for the Ar	nbiguous Position of Codons	," Z. Naturjorscn. 410:13/1-13/9.	
16.	Gubler et al., (1983). "A Simple and V 25: 263-269.			
17.	Guo, Z. et al., (1997). "Enhanced Disc Mismatch Hybridization," <i>Nature Bio</i>	technology 15(4): 331-335.		
18.	Habener, J.F. et al., (1988). "5-Fluoro Hybridization Probes for the Detectio 1739.	n of Specific Gene Sequences	s," Proc. Natl. Acad. Sci., 85:1735-	
19.	Ikuta, S. et al., (1987). "Dissociation I Containing Different Single Mismatcl	hed Base Pairs," Nucleic Acid	is Research 15(2): /9/-811.	
20.	Inoue, H. et al., (1985). "Synthesis an and Fluorescent Pyridopyrimidine De	oxynucleoside," Nucleic Acid	ds Research 13(19):/119-/128.	
21.	Kwoh, D.Y. et al., (1989). "Transcrip Human Immunodeficiency Virus Typ Natl. Acad. Sci. USA (Biochemistry)	tion-Based Amplification Sylve 1 with a Bead-Based Sandv 86: 1173-1177.	stem and Detection of Amplified wich Hybridization Format," <i>Proc.</i>	
22.	Kwoh, D.Y. et al., (1990). "Target Al Approaches," Am. Biotechnol. Lab. 8	: 14-25. [pp.15,17, and 19 co	ntent advertisement, thus offitted	
23.	Lin, P.K.T. et al., (1989). "Synthesis Thymine Analogues," <i>Nucleic Acids</i>	and Duplex Stability of Oligonsesearch 17: 10373-10383.	onucleotides Containing Cytosine-	
24.	Lizardi, P. et al., (1988). "Exponentia Bio/Technology 6: 1197-1202.	al Amplification of Recombin	nant-RNA Hybridization Probes,"	
25.	Loh, E.Y. et al., (1989). "Polymerase Cell Receptor δ Chain," Science 2430	(4888): 217-220.		
26.	Malek, L. et al., (1994). "Nucleic Ac Molecular Biology. 28: 253-260.	id Sequence-Based Amplifica		
27.	Miller, P.S. et al. (1988). "Chapter 30 New Opportunities in Durg Design,"	' Annual Reports in Medical (nemistry 23: 293-304.	
28.	Millican, T.A. et al., (1984). "Syntheis and Biophysical Studies of Short Oligodeoxynucleotides w Novel Modifications: A Possible Approach to the Problem of Mixed Base Oligodeoxynucleotide Synthesis," <i>Nucleic Acids Research</i> 12(19): 7435-7453.			
29.	and have			
30.	Nichols, R. et al., (1994). "A univers	sal nucleoside for use at ambi	gous sites in DNA primers," Natur	
EXAMINER:		DATE CONSIDEREI):	
EXAMINER: Ini	tial if citation considered, whether or not the cit not considered. Include a copy of this form wit	ation conforms with MPEP 609. D	raw a line through the citation if not in	

Form PTO-1449 RIFER MATION DISCLOSURE CITATION IN AN APPLICATION			Docket Number 514012000100	Application Number 09/807,047	
			Applicant Jerry PELLETIER and Manjula DAS		
	Use several sheets if neces		Filing Date April 6, 2001	Group Art Unit To be assigned	
AU6 2 0 2001 ♀	Si Si		Mailing Date August 16, 2001		
En S					
TRADEMART	369(6480): 492-				
31.	Oligonucleotide	Probes," Proc. Natl	. Acad. Sci. USA 86: 6230-623		
32.	Seela, F. and Ka Solid-Phase Syn Research 14(4):	thesis of d(GCI*CG	nosphoramidites of Base-Modi GC) Oligomers Containing an A	fied 2'-Deoxyinosine Isoteres and Ambiguous Base," <i>Nucleic Acids</i>	
33.	Southern, E.M. Hybridisation B	et al., (1994). "Array ehaviour of Nucleic	ys of Complementary Oligonuo Acids," <i>Nucleic Acids Research</i>	cleotides for Analysing the ch 22(8): 1368-1373.	
 Walker, G.T. et al., (1992). "Isothermal in vitro Amplification of DNA by a Restriction Polymerase System," Proc. Natl. Acad. Sci. USA 89: 392-396. Walker, G.T. et al., (1992). "Strand Displacement Amplificationan Isothermal, in vitra Amplification Techniques," Nucleic Acids Res. 20(7): 1691-1696. 				DNA by a Restriction Enzyme/DNA	
				an Isothermal, in vitro DNA	
36	Weber, J.L. (19 falciparum," Ge	87). "Analysis of Se ene 52: 103-109.	quences from the Extremely A	+T-Rich Genome of <i>Plasmodium</i>	
37	1		New Gene Amplifier," Science	ee 254: 1292-1293.	

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.